

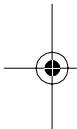


Cat. No. 14-703  
**OWNER'S MANUAL**

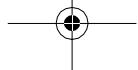
Please read before using this equipment.

# SCR-63

**Extended Bass AM/FM Stereo  
Dual-Cassette Recorder**



**OPTIMUS®**



## FEATURES

Your Optimus SCR-63 Extended Bass AM/FM Stereo Dual-Cassette Recorder is a versatile, easy-to-use music system. Its compact design and convenient carrying handle let you take it almost anywhere. Your system's features include:

**Consecutive Play** — automatically plays one side of a cassette tape in Deck 2 when one side of another cassette tape in Deck 1 ends.

**High-Speed Dubbing** — copies a cassette tape at twice the normal speed.

**Auto Stop** — the tape deck stops automatically when it reaches the end of a tape.

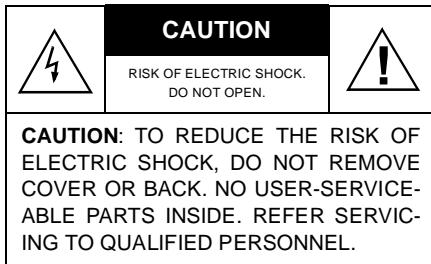
**Built-In Microphone** — lets you make live recordings.

**Beatcut** — eliminates the whistling sound sometimes heard in recorded AM broadcasts.

**E-Bass** — lets you emphasize low bass sounds.

**Two Power Sources** — let you power your system from standard AC power or with internal batteries (not supplied).

**Warning:** To prevent fire or shock hazard, do not expose this product to rain or moisture.



This symbol is intended to alert you to the presence of uninsulated dangerous voltage within the product's enclosure that might be of sufficient magnitude to constitute a risk of electric shock. Do not open the product's case.



This symbol is intended to inform you that important operating and maintenance instructions are included in the literature accompanying this product.

The graphical symbols with supplemental markings are on the back of the recorder.

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## CONNECTIONS

### CONNECTING POWER

You can power your system using either AC power or six D batteries (not supplied).

#### Using AC Power

The supplied power cord stored inside the battery compartment lets you power the system from a standard AC outlet.

- Always plug the power cord into the system before you plug it into a standard AC outlet. Always unplug it from the AC outlet before you unplug it from the system.

#### Installing Batteries

You can power the system with six D batteries (not supplied). For the best performance, we recommend alkaline batteries, such as Cat. No. 23-550.

##### Cautions:

- Use only fresh batteries of the required size and type.
- Never leave dead or weak batteries in the system.
- If you do not plan to use the system for several days, or if you plan to power the system using only AC power, remove the batteries.
- Dispose of batteries promptly and properly; do not bury or burn them.

Follow these steps to install batteries.

1. While pressing down both tabs on the battery compartment cover in the direction of the arrow, pull the cover down to remove it.
2. Remove the power cord from its storage area in the battery compartment, then replace the cover.
3. Plug the small end of the power cord into the **AC** jack on the back of the system. Then plug the cord into a standard AC outlet.

##### Cautions:

- To prevent electric shock, one blade on the power cord's plug is wider than the other and the plug fits only one way. If you cannot easily insert the plug, turn it over and try again. Do not force it.

1. While pressing down both tabs on the battery compartment cover in the direction of the arrow, pull the cover down to remove it.

2. Remove the power cord from its storage area in the battery compartment.
3. Install the batteries as indicated by the polarity symbols (+ and -) marked inside the compartment.
4. Replace the battery compartment cover.

If the system's sound becomes weak or distorted, replace the batteries.

## USING HEADPHONES

To listen to the system without disturbing others, plug a pair of stereo headphones with a 1/8-inch plug (not supplied) into the system's **PHONES** jack. This mutes the system's speakers. Your local RadioShack store sells a wide selection of headphones.

### Listening Safely

To protect your hearing, follow these guidelines when you use headphones.

- Set the volume to the lowest setting before you begin listening. After you put on the headphones, adjust the volume to a comfortable level.
- Do not listen at extremely high volume levels. Extended high-volume listening can lead to permanent hearing loss.
- Once you set the volume, do not increase it. Over time, your ears adapt to the volume level, so a level that does not cause discomfort might still damage your hearing.

### Traffic Safety

Do not wear headphones while operating a motor vehicle or riding a bicycle. This can create a traffic hazard and is illegal in some areas.

Even though some headphones are designed to let you hear some outside sounds when listening at normal volume levels, they still present a traffic hazard.

## OPERATION

### PLAYING THE RADIO

1. Set **TAPE (POWER OFF)/RADIO** to **RADIO**.
2. Set **AM/FM-STEREO** to the desired band and rotate **TUNING** to tune to the desired station.
3. Adjust **VOLUME** to a comfortable listening level.
4. Set **E-BASS** to **ON** to enhance the bass effect or to **OFF** for normal bass effect.
5. To turn off the radio, set **TAPE (POWER OFF)/RADIO** to **TAPE (POWER OFF)**.

#### Notes:

- The SCR-63's AM/FM radio has two antennas. The AM antenna is built-in. For the best AM reception, turn the system. For the best FM reception, fully extend and adjust the telescoping antenna.
- If you set **AM/FM-STEREO** to **-STEREO** and a station is received in stereo, the FM STEREO indicator on the front of the system lights steadily.
- To improve the reception of a weak FM station, set **AM/FM-STEREO** to **FM**. The signal changes from stereo to monaural, but the reception should improve.

### LOADING A CASSETTE TAPE

Your system has two cassette decks. You can use Deck 1 (PLAYBACK) for normal playback and consecutive play. You can use Deck 2 (RECORD/PLAYBACK) for normal playback, consecutive play, and dubbing (recording).

The control buttons for each deck are located over the deck.

**Note:** Before playing or recording any cassette tape, take up any slack in the tape by turning one of the cassette's hubs with a pencil. If you do not remove excess slack, the tape might become tangled in the record/playback mechanism.

1. Press **STOP/EJECT** to open the cassette compartment door.

2. Load the cassette tape with its open edge up, the desired side facing out, and the full reel to the right.

3. Gently close the cassette compartment door.

- To fast-forward or rewind the tape, press **STOP/EJECT** (if the tape is playing), then press **FAST-F** or **REWIND**. Press **STOP/EJECT** when the tape reaches the desired location.

## PLAYING A CASSETTE TAPE

You can play a cassette tape in either Deck 1 or Deck 2, or you can load tapes in both decks and play them consecutively.

1. Load a cassette tape.
2. Set **TAPE (POWER OFF)/RADIO** to **TAPE (POWER OFF)**.
3. Press **PLAY** on the deck you are using. The tape plays until it reaches the end of the side, then automatically stops.

4. Adjust **VOLUME** to the desired listening level.
5. Set **E-BASS** to **ON** to enhance the bass effect or to **OFF** for normal bass effect.
6. Press **STOP/EJECT** to stop the tape. Press **STOP/EJECT** again to open the cassette compartment door, then remove the tape.

### Notes:

- To temporarily stop playback, press **PAUSE** on the deck you are using. Press **PAUSE** again to continue playback.

## Consecutive Play

You can set the system to play one side of a tape in Deck 1, then automatically play one side of a tape in Deck 2.

1. Load the cassette tape you want to hear first in Deck 1, then load the other cassette tape in Deck 2.
2. Gently close both cassette compartment doors.
3. Set **TAPE (POWER OFF)/RADIO** to **TAPE (POWER OFF)**.
4. Press **PLAY** on Deck 1.
5. Press **PAUSE** then **PLAY** on Deck 2. The tape in Deck 1 plays until it reaches the end of the side, then the tape in Deck 2 plays until it reaches the end of the side.

To stop consecutive play before the tape in Deck 2 reaches the end and automatically stops, press **STOP/EJECT** on the deck that is playing.

## RECORDING

You can record onto a cassette tape from the radio, use the built-in microphone to make a live recording, or dub

(copy) from one cassette tape to another.

### Notes:

- The recording level is preset. Adjusting **VOLUME** or **E-BASS** does not affect the recording level.
- Most material on compact discs and prerecorded tapes is copyrighted. Unauthorized duplication of copyrighted material is a violation of the copyright laws of most countries and such duplication may result in fines and/or imprisonment. Note, however, that in the United States, it is not a violation of U.S. copyright laws for a consumer to use an audio recording device to duplicate musical recordings for noncommercial (personal) use.

## Recording Tips

- Tape quality greatly affects the quality of the recording. We recommend extended-range or low-noise type 1 regular length (60- or 90-minute) normal-bias cassette tapes. We do not recommend long-play cassette tapes such as C-120s because they are thin and can easily tangle.
- Before recording, be sure the tape you are recording on has its erase-protection tabs in place (see "Preventing Accidental Erasure" on Page 12).

## Recording from the Radio

1. Load a blank tape, or one you want to record over, into Deck 2.
2. Set **TAPE (POWER OFF)/RADIO** to **RADIO**.
3. Set **AM/FM-STEREO** to the desired band and rotate **TUNING** to tune to the desired station.

**Note:** Sometimes, AM broadcasts produce a whistling sound that you can hear while playing a recording. If you hear this sound, set **DUBBING MIC/NORM/HIGH** to **HIGH (AM BEAT CUT)** to help reduce or eliminate it.

5. When you are finished, press **STOP/EJECT** on Deck 2 to stop the tape. **RECORD** and **PLAY** release.

**Note:** The deck automatically stops when the tape reaches the end.

## Making a Live Recording

You can use the built-in microphone to make a live recording.

1. Load a blank tape, or one you want to record over, into Deck 2.
2. Set **DUBBING MIC/NORM/HIGH** to **MIC**.

4. Press **RECORD** on Deck 2. **RECORD** and **PLAY** both lock down.

3. Set **TAPE (POWER OFF)/RADIO** to **TAPE (POWER OFF)**.
4. Place the system 2-3 feet from the live recording source.
5. Press **RECORD** on Deck 2. **RECORD** and **PLAY** both lock down.

**Note:** Press **PAUSE** on Deck 2 to temporarily stop recording. Press **PAUSE** again to resume recording.

**Note:** Press **PAUSE** on Deck 2 to temporarily stop recording. Press **PAUSE** again to resume recording.

6. When you are finished, press **STOP/EJECT** on Deck 2 to stop the tape. **RECORD** and **PLAY** release.

**Note:** The deck automatically stops when the tape reaches the end.

### Dubbing (Copying) a Cassette Tape

You can easily copy a tape by playing it in Deck 1 and recording it onto another tape in Deck 2.

Follow these steps to copy a cassette tape.

1. Load a blank tape, or one you want to record over, into Deck 2.
2. Load the tape you want to copy into Deck 1.
3. Set **DUBBING MIC/NORM/HIGH** to **NORM** (to record at normal speed) or **HIGH** (to record at twice the normal speed).
4. Set **TAPE (POWER OFF)/RADIO** to **TAPE (POWER OFF)**.

5. Press **PAUSE** then **RECORD** on Deck 2. **RECORD** and **PLAY** both lock down.

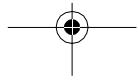
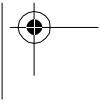
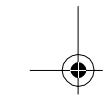
6. Press **PLAY** on Deck 1 to begin copying. **PAUSE** on Deck 2 automatically releases.

#### Notes:

- You can listen to the tape playing in Deck 1 as you copy it. Adjust **VOLUME** to the desired listening level. (Adjusting **VOLUME** does not affect the recording level).
- The tape's sound is distorted if you set **DUBBING MIC/NORM/HIGH** to **HIGH** and listen to the tape playing in Deck 1 as you copy it.
- To temporarily stop recording on the tape loaded in Deck 2, press **PAUSE** on Deck 2. The tape in Deck 2 stops, and the tape in Deck 1 continues to play. Press **PAUSE** on Deck 2 again to resume recording.



7. To stop copying before the tape ends, press **STOP/EJECT** on Deck 2. **RECORD** and **PLAY** on Deck 2 release. Press **STOP/EJECT** on Deck 1 to stop that tape.



## TAPE TIPS

### ERASING A CASSETTE TAPE

To record over a cassette tape, simply record as usual. The system records over the previous recording.

You can quickly erase both sides of a cassette tape using a bulk tape eraser, such as Cat. No. 44-232.

### PREVENTING ACCIDENTAL ERASURE

Cassette tapes have two erase-protection tabs — one for each side. When a tab is in place, you can record on that side. To protect a recording from being accidentally recorded over, use a screwdriver to remove one or both of the cassette tape's erase-protection tabs. This prevents **RECORD** from being pressed.

If you later decide to record on a tape side after you have removed the erase-protection tab for that side, place a piece of strong plastic tape over that side's erase-protection hole. Be sure you cover only the hole originally covered by the erase-protection tab.

**Caution:** Removing the erase-protection tabs does not prevent a bulk eraser from erasing a cassette tape.

### RESTORING TAPE TENSION AND SOUND QUALITY

After you play a cassette tape several times, the tape might become tightly wound on the reels. This can cause playback sound quality to deteriorate.

To restore the sound quality, fast-forward the tape from the beginning to the end of one side, then completely rewind it. Then loosen the tape reels by gently tapping each side of the cassette's outer shell on a flat surface.

**Caution:** Be careful not to damage the cassette when tapping it. Do not touch the exposed tape or allow any sharp objects near the cassette.

## CARE AND MAINTENANCE

Your Optimus SCR-63 Extended Bass AM/FM Stereo Dual-Cassette Recorder is an example of superior design and craftsmanship. The following suggestions will help you care for the system so you can enjoy it for years.

 Keep the system dry. If it gets wet, wipe it dry immediately. Liquids can contain minerals that can corrode the electronic circuits.

 Handle the system gently and carefully. Dropping it can damage circuit boards and cases and can cause the system to work improperly.

 Use and store the system only in normal temperature environments. Temperature extremes can shorten the life of electronic devices, damage batteries, and distort or melt plastic parts.

 Keep the system away from dust and dirt, which can cause premature wear of parts.

 Wipe the system with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean it.



Use only fresh batteries of the required size and type. Always remove old or weak batteries. They can leak chemicals that can destroy electronic circuits.

Modifying or tampering with the system's internal components can cause a malfunction and might invalidate the system's warranty and void your FCC authorization to operate it. If your system is not performing as it should, take it to your local RadioShack store for assistance.

### CLEANING THE TAPE-HANDLING PARTS

Dirt, dust or particles of the tape's coating can accumulate on the tape heads and other parts that the tape touches. This can greatly reduce the performance of the cassette recorder. Use the following cleaning procedure after every 20 hours of tape player operation.

1. Remove the batteries and disconnect the AC power cord.
2. Open the cassette compartment doors on Deck 1 and Deck 2.
3. Press **PLAY** on Deck 1 to expose Deck 1's tape-handling parts.

4. While pressing and holding down the erase-protection tab sensor inside Deck 2, press **RECORD** on Deck 2. **RECORD** and **PLAY** on Deck 2 both lock down. This exposes Deck 2's record/playback head and erase head.
5. Use a cotton swab dipped in denatured alcohol or tape head cleaning solution to clean the record/play heads, tape guides, pinch rollers, capstans, and erase head.

6. When you finish cleaning, press **STOP/EJECT** on Deck 1 and Deck 2, then close both cassette compartment doors and reconnect power.

Your local RadioShack store has a complete line of cassette deck cleaning supplies.

## THE FCC WANTS YOU TO KNOW

Your system might cause TV or radio interference even when it is operating properly. To determine whether your system is causing the interference, turn off your system. If the interference goes away, your system is causing the interference. Try to eliminate the interference by:

- Moving your system away from the receiver.
- Connecting your system to an outlet that is on a different electrical circuit from the receiver.
- Contacting your local RadioShack store for help.

If you cannot eliminate the interference, the FCC requires that you stop using your system.

## SPECIFICATIONS

### RADIO

#### Frequency Range:

FM.....	88-108 MHz
AM.....	530-1710 MHz

#### Antenna:

FM.....	Rod Antenna
AM.....	Ferrite Bar Antenna

### CASSETTE PLAYER

#### Track System:

Magnet Head .....	2-Track
Tape .....	4-Track

Tape Speed ..... 1<sup>7</sup>/<sub>8</sub> ips

Recording System ..... AC Bias 85 kHz

Erasing System ..... Magnetic

Wow and Flutter (WTD RMS)..... 0.4 %

Tape Type ..... Type-1, Normal-Bias Only

### GENERAL

Power Source ..... AC 120V, 60 Hz; or 6 D Batteries

Maximum Output Power ..... 2 x 1.2 Watts

Power Consumption ..... Approx. 8 W

Dimensions (HWD) ..... 6<sup>5</sup>/<sub>8</sub> x 20<sup>5</sup>/<sub>8</sub> x 6<sup>1</sup>/<sub>8</sub> Inches  
(168 x 524 x 156 mm)

Weight ..... 81.1 oz  
(2.3 kg)

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.

#### **RadioShack Limited Warranty**

This product is warranted against defects for 90 days from date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. Within this period, we will repair it without charge for parts and labor. Simply **bring your RadioShack sales slip** as proof of purchase date to any RadioShack store. Warranty does not cover transportation costs. Nor does it cover a product subjected to misuse or accidental damage.

EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. Some states do not permit limitation or exclusion of implied warranties; therefore, the aforesaid limitation(s) or exclusion(s) may not apply to the purchaser.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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A Division of Tandy Corporation  
Fort Worth, Texas 76102

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Printed in Hong Kong